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1911-12

NEW YORK UNIVERSITY

BULLETIN

VOL. XI.

MARCH, 1911.

No. 5

LIBRARY
OF THE
UNIVERSITY OF

The Graduate School

TWENTY-SIXTH YEAR

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UNIVERSITY BUILDING
WASHINGTON SQUARE EAST, NEW YORK, N. Y.

PUBLISHED BY NEW YORK UNIVERSITY AT THE UNIVERSITY BUILDING,
WASHINGTON SQUARE, EAST, MONTHLY, NOVEMBER—MARCH, AND
WEEKLY, APRIL—JUNE, AND ENTERED AT THE NEW YORK POST OFFICE
AS SECOND-CLASS MATTER UNDER ACT OF JULY 16, 1894.

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NEW YORK UNIVERSITY

THE GRADUATE SCHOOL

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<hr/>	
FRANK ANDREWS FALL, M.A., <i>Bursar,</i>	Washington Square.
GEORGE C. SPRAGUE, PH.D., <i>Registrar,</i>	Washington Square.

GRADUATE SCHOOL

Calendar, 1911-1912

1911		
Sept. 30,	Saturday,	Graduate School opens.
Oct. 10,	Tuesday,	Stated Faculty Meeting.
Oct. 30,	Monday,	Last day for filing applications for Enrollment.
Nov. 7,	Tuesday,	Election Day, Holiday.
Nov. 14,	Tuesday,	Stated Faculty Meeting.
Nov. 15,	Wednesday,	Last day for filing Subject and Outline of Doctor's Thesis.
Nov. 15,	Wednesday,	Last day for payment of fees.
Nov. 23-25 (inclusive)	Thur. to Sat.,	Thanksgiving Recess.
Dec. 1,	Friday,	Last day for filing title of Master's Thesis.
Dec. 12,	Tuesday,	Stated Faculty Meeting.
Dec. 23, 1911-Jan. 1, 1912 (inclusive)	Sat. to Mon.,	Christmas Recess.
1912		
Feb. 12,	Monday,	Lincoln's Birthday, Holiday.
Feb. 22,	Thursday,	Washington's Birthday, Holiday.
Mar. 12,	Tuesday,	Stated Faculty Meeting.
April 2-8 (inclusive),	Tues. to Mon.,	Easter Recess.
April 9,	Tuesday,	Stated Faculty Meeting.
April 15,	Monday,	Last day for presenting Doctor's Thesis.
May 1,	Wednesday,	Last day for presenting Master's Thesis.
May 14,	Tuesday,	Stated Faculty Meeting.
May 6-May 18,	Mon. to Sat.,	Final Examinations.
June 5,	Wednesday,	COMMENCEMENT.

Officers and Office Hours

The Dean of the Graduate School may be seen in the Council Room, on the tenth floor of the University Building, Washington Square, Saturdays in October, 10 A. M. to 1 P. M., and during the week at Butler Hall, University Heights; also by appointment.

The University Registrar may be seen in his office, on the tenth floor of the University Building, daily after September 12, from 9 A. M. to 5 P. M.

Applications for Matriculation or Enrollment should be addressed to the Registrar of the University, Washington Square.

The consultation hours of the Professors will be found given in this circular under their respective departments.

THE GRADUATE SCHOOL

General Statement

THE Graduate School of New York University offers advanced courses of instruction to men and women who have received the degree of Bachelor from some college in good standing. It is the aim of the School to afford those who have already enjoyed a liberal education opportunity to pursue advanced study, and to make independent research in the line of their special chosen subject. An effort is made so to shape the methods of instruction as not only to make the student well versed in the contemporary knowledge of his department, but also to fit him to add to that knowledge by scientific investigation and discovery. Students who have satisfactorily completed courses of study and have complied with the requirements governing the granting of degrees as given below, upon recommendation of the Faculty, are granted the degree of Master of Arts, Master of Science, Doctor of Philosophy, or Doctor of Science, as the case may be. These degrees will be conferred by the University only upon completion of resident graduate study, tested by examinations and by theses, and are given, in no case, *honoris causa*, or for work done *in absentia*.

Regulations Governing Admission and Enrollment

1. To secure matriculation in the Graduate School a certificate must be submitted showing that the candidate is a graduate of a college of good standing, and has received the baccalaureate degree in arts, science, philosophy or letters. An official form for this purpose will be forwarded by the University upon application.

In an extraordinary case, where the baccalaureate degree has not been received, as, for example, in the case of a person who has studied in a foreign University where the degree is not given, a candidate may be received by special act of the Faculty upon the presentation of testimonials establishing the fact that he has completed a course of study equivalent to the undergraduate college course of New York University.

2. Students not qualified for matriculation may be admitted to the classes of the Graduate School, provided they are qualified in the judgment of the Professor in charge to carry on the work of the

class. Students so admitted are classed as auditors—and are not entitled to take the final examinations or to receive University credit toward advanced degrees.

3. Certain courses, those marked in this circular with an asterisk (*), intended primarily for graduates, are open also to students of other departments of the University. Students pursuing graduate courses under this rule are enrolled not as graduate students, but as students of the school in which they are candidates for degrees, and upon the successful completion of a course receive credit for the same in accordance with the regulations of that school.

4. All students before entering upon a course in the Graduate School, whether as matriculants or otherwise, must fill out and file with the Dean or Secretary of the school an application for enrollment for the current year. This application must be made upon the official blank furnished by the University, and must show the courses it is proposed to enter. This application must be filed not later than the thirty-first day of October for courses given the first term. Students permitted to enroll after that date by special action of the Faculty, will be required to pay an additional fee of \$5.00. Failure to enroll will debar the student from receiving credit for the courses of the current year.

5. No candidate shall be considered as finally enrolled until the Faculty shall have acted upon and approved the application so filed. Upon the admission of the candidate to final enrollment, he will receive from the Secretary a certificate of admission.

6. A matriculated student is held to remain in continuous attendance so long as such student enrolls and properly attends at least one course in each academic year. In the case, however, of students who have completed the number of courses required for a degree, residence will be considered to extend over an additional period of one year, provided an outline for a thesis shall have been duly presented within one year subsequent to the completion of the last of the aforesaid courses, and an enrollment fee of \$5.00 be paid. In the case of candidates for the Doctor's degree an additional year or more will be allowed for the completion of the thesis subsequent to the filing of the outline, provided the student enroll and pay an enrollment fee of \$5.00 each year.

7. Students will be considered candidates for a degree under the conditions prescribed for such candidacy at the time of their matriculation, provided they remain in continuous attendance ; interruption of such attendance for one year entails re-matriculation. The rules in force at the time of such re-matriculation shall govern the candidacy for the degree.

Regulations Governing the Election of Courses and Credit for the Same

1. By a Course in the Graduate School is intended the work prescribed for a class which meets the instructor two hours each week. A Half Course is the work prescribed for a class which meets one hour a week throughout the year. Unless otherwise stated, two half courses will be accepted as equivalent to one full course in all requirements.

The nature of Graduate work is such that it is expected that the time given by the student to work outside of the class room, in the way of collateral reading, independent research, and prescribed themes, will be at least double the amount of time ordinarily required in connection with an equivalent amount of class-room work in the University College, or in other departments of the University, and in many cases may much exceed this minimum amount.

2. Students are permitted to pursue any courses they may elect, subject to the general supervision of the Faculty, and to such regulations as to preliminary qualifications as the Professor in charge may prescribe, and subject further in the case of candidates for degrees to the requirements given below.

3. Students desiring to take more than three full courses in any one year must secure the special consent of the Faculty, which will be granted, in ordinary cases, only when the student is devoting his whole time to Graduate study.

4. To receive credit for a course, a student must be in regular attendance throughout the year, and must pass a satisfactory final written examination under the conditions given below. A report of the result of each year's examinations will be made by the Secretary to each student within one month from the time of the examination.

(a) The duration of each examination shall be from three to four hours.

(b) Extended written work, during the progress of a course, such as themes, monographs, or theses, presented before the day of examination, may, at the professor's discretion, be reckoned as covering one-half of the time required for examination. Such written work may be considered by the Committee as a part of the examination exercise.

(c) The least time devoted in any case to the written examination on the part of a student shall be one hour and a half.

5. Credit may be given for graduate work done in certain Universities of established reputation in graduate work, or in certain theological

seminaries when such work is not credited toward a professional degree, when certified to by the proper authorities. In all cases, residence at this University for at least one year is required of candidates for degrees.

6. Credit may be given for graduate work in the Summer School of New York University under the following conditions :

(a) The course must be substantially identical with some course given in the Graduate School, must be given by a member of the Graduate School Faculty, or under his direction, and must be equal in the number of hours of attendance required to the corresponding course in the Graduate School.

(b) To secure credit, a student must undertake no work in the Summer School beyond the one full course.

(c) Credit for courses in Summer Schools will be limited to two (2) courses towards the Master's degree, and to not more than one (1) course in the major series for the Doctor's degree.

Regulations Governing the Granting of Advanced Degrees

Students, regularly matriculated in the Graduate School, may be recommended for the degrees of Master of Arts (M.A.), Master of Science (M.S.), Doctor of Philosophy (Ph.D.) and Doctor of Science (Sc.D.) respectively, upon satisfactory fulfillment of the following requirements:

Degree of Master

1. The degree of Master will be granted to none save Bachelors of at least one year's standing.

2. Candidates for the degree of Master must have satisfactorily completed four or more full courses, two at least of which shall be in one department. Candidates for Master of Arts must present three courses selected from either Group I or II, or both ; Candidates for Master of Science must present three courses in Group III. At least two of the four required courses must be taken at New York University.

3. In addition to the four courses so prescribed, candidates for the Master's degree will be required, unless otherwise ordered by special action of the Faculty, to submit a thesis—which thesis will be referred to a special committee of the Faculty, who will report in writing upon its acceptance or rejection.

Requirements for the Master's Thesis

(a) The subject of the thesis must belong to the field of knowledge in which the student presents at least two of his courses, and must be chosen under the direction of a professor conducting one of those courses.

(b) The title, with the written approval of the professor, must be in the hands of the Secretary of the Faculty on or before December 1st.

(c) The thesis must not be a mere essay ; it must present evidence of a thorough knowledge of some limited special field, obtained by recourse to original sources of authors.

(d) A thorough knowledge of the accessible literature bearing upon the subject will be required. As evidence of this, an exhaustive bibliography of the topic under investigation must be appended, to which constant reference must be made in the body of the thesis.

(e) An appropriate length would be from two to five thousand words ; but adequate treatment of the subject will be required.

(f) It should be typewritten on firm paper, $8\frac{1}{2} \times 11$ inches in size, with a margin of $1\frac{1}{2}$ inches on the left-hand side of the page. After approval the thesis will remain in the possession of the University Library.

(g) A good, though not necessarily a literary, form will be required.

(h) While no extended original investigation is expected in a Master's Thesis, such conclusions as are reached must be so supported as to be regarded as proven.

(i) The Thesis, in its completed form, must be in the hands of the Secretary of the Faculty on or before May 1st preceding the commencement at which the degree is sought.

Degree of Doctor

1. The degree of Doctor will be granted to none save Bachelors of at least three years' standing.

2. Candidates for the degree of Doctor must have satisfactorily completed at least eight full courses (including courses credited for the Master's degree), as follows : four courses which shall be known as the Major Series—and which shall all be taken in one department, or if the department is subdivided, in one of the divisions of the department ; two courses which shall be known as the First Minor Series, which must be taken in the same group, but not necessarily in the same department, as the Major Series ; two courses which shall be known as the Second Minor, and which may be taken in any group, but must not be in the same department as the Major Series. It is to be understood that the requirements here given are in the nature of a minimum requirement. The completion of the specified number of courses will not entitle a candidate to receive the Doctor's degree, unless the candidate has shown in his work such ability as, in the judgment of the Faculty, to warrant recognition of this high order.

3. For the Major and First Minor Series, candidates for the degree of Doctor of Philosophy must elect courses in Groups I or II, and candidates for the degree of Doctor of Science, courses in Group III.

4. At least four of the eight required courses must be taken at New York University.

5. Only one of the courses marked with an asterisk (*) may be included in the Major Series.

6. A thesis to be known as the "Thesis for the Doctorate" is required of all candidates for the Doctor's degree, under the following conditions :

(a) The thesis must deal with a subject belonging to the department of the Major Series.

(b) It must show original treatment or give evidence of independent research. It must be accompanied by an analytical table of contents and by a bibliography of the subject prefixed to the same.

(c) A preliminary typewritten report in duplicate, containing the subject of the thesis and an outline of the same, must be submitted for criticism by the candidate not later than November 15th. Candidates who expect to devote more than one year to the preparation of their thesis should notify the Secretary of such intention.

(d) The thesis must be sent to the Secretary of the Faculty not later than April 15th. It will then be submitted to a committee appointed by the Faculty, which will report in writing upon its acceptance or rejection.

(e) The thesis must be presented in typewriting on paper $8\frac{1}{2} \times 11$ inches in size, bound, with the writer's name lettered upon the cover. If accepted, the thesis must be printed within one year's time from the conferment of the degree. Fifty dollars shall be deposited with the Bursar of the University as a guarantee when the thesis is presented, which sum will be returned if the thesis is rejected, or as soon as it is published and fifty copies deposited with the Librarian of the University.

(f) The number of words in the thesis must not be less than five thousand, except upon action of the Faculty.

7. In addition to the thesis and the ordinary examinations, there shall be a final oral examination of the candidate upon his Major subject, under the following requirements :

(a) The examination shall test the candidate's knowledge of his Major subject as derived from collateral study, as well as from the courses taken in the University.

(b) It shall be conducted by the professors in charge of the Major Series, in the presence of a commission of the Faculty, which commission shall consist of the members of the Faculty, giving instruction in the department of the candidate's major, with such other members as the Dean may appoint. In no case shall the commission consist of less than five members. The findings of the commission shall be reported to the Faculty for action.

Fees and Expenses

Matriculation Fee (paid once only)	\$5.00
Fee for Instruction and Examination :	
Each full course, per year	25.00
Each half course, per year	15.00
Fee for Diploma, Master's or Doctor's Degree	20.00
Laboratory Fee, Chemistry, per year	20.00

The enrollment fee required of candidates for degrees employed in the completion of a thesis is \$5.00 per year.

No application for matriculation will be considered until the matriculation fee has been paid. The fee will be returned in case the application is rejected. The laboratory fee in Chemistry must be paid at the laboratory upon entrance upon the course.

Fees for instruction are due upon entrance upon the course, and must be paid not later than November 15th, to the Bursar at Washington Square.

Special Privileges to Students of Certain Theological Seminaries

Exemption from the fees for instruction and examination in the Graduate School is granted to undergraduate students of the following theological seminaries: Union Seminary, General Theological Seminary, Princeton Seminary, Drew Seminary, New Brunswick Seminary, St. Joseph's Seminary and the Jewish Seminary of America.

Fellowships and Scholarships

The Ottendorfer Memorial Fellowship

The Ottendorfer Memorial Fellowship for Germanic Philology, with an annual income of \$800, with a maximum allowance of \$100 for books, was established in New York University in 1901, by the friends and admirers of the late Hon. Oswald Ottendorfer, LL.D.

The following announcement for 1911-12 is made respecting this foundation.

Candidates must present satisfactory evidence of the following minimum qualifications :

- (a) Bachelor's degree from an American college recognized by the New York Board of Regents ;
- (b) Ability to read easily English, German, French and Latin ;
- (c) Ability to speak and write English and German ;
- (d) An elementary knowledge of two of the older Germanic dialects ;
- (e) A knowledge of the history of German literature ;

- (f) Such ability as to warrant the belief that the candidate, if appointed, will be able to make original investigations in Germanic language and literature.
- (g) Age, as not more than twenty-five years.

The duties of the Ottendorfer Memorial Fellow for 1911-12 will be:

- (a) To report for duty, October 1, 1911;
- (b) To devote his time to the study of Germanic language and literature under the direction of the Committee, wherever (at least six months in Germany) it may direct.
- (c) To publish, under the direction of the Committee and under the name of the Fellowship, the results of his investigations.

One reappointment may be made, but only for superior attainments.

Appointment will be made about April 15, 1911.

The appointee for 1910-11 is Albert W. Aron.

Publications issued in accordance with the provisions of this foundation are Schiller's *Einfluss auf die Jugenddramen Hebbels. Die Jungfrau von Orleans und Hebbels Judith: eine Studie über das Drama von Ernst Otto Eckelmann. 1906. 106 S. 8. Zur Liederpoesie in Fischarts Gargantua von Charles Allyn Williams, 71 S Halle a. S. Max Niemeyer, 1909.*

Candidates may apply for further particulars and for application blanks to LAWRENCE A. McLOUTH, Professor of Germanic Languages and Literatures, University Heights, New York City.

Graduate Scholarships

REMSEN GRADUATE SCHOLARSHIP.—This scholarship was founded April, 1896, by R. G. Remsen, Jr., '73.

RICHARD H. BULL GRADUATE SCHOLARSHIP.—This Scholarship was founded June 1, 1887, by Richard H. Bull, Ph.D., who filled the chair of Engineering from 1853 to 1884.

ELLINWOOD SCHOLARSHIP IN COMPARATIVE RELIGION.—This scholarship, founded 1904, provides tuition in the courses in Comparative Religion.

FACULTY GRADUATE SCHOLARSHIPS covering tuition are in the gift of the Faculty, to be bestowed upon graduate students who may be found entitled to them by their scholarship. They are intended to provide for the fees for courses in the Graduate School. To obtain one of these scholarships, a student must have enrolled himself and paid his fees for the year by November 1. He must, by November 30, have presented to the Dean a statement including the following items: (1) The college at which his Bachelor's degree has been received, specifying the particular degree and the year of its reception. (2) The number of members in his class at graduation. (3) His own relative position in the class (by giving

his number on the roll arranged according to scholarship). (4) The branch of study in which he made his best record. (5) Certification of above by some officer of the college named.

The Faculty will select the man or men standing highest as judged *by the record* obtained as above named, and further, *by such original work and special testimonials of work* as may be offered by the candidate to the Faculty and accepted.

GRADUATE SCHOLARSHIPS FOR ALUMNI OF CERTAIN COLLEGES IN OHIO.—The following scholarships provide tuition, each to the amount of not over \$100 a year, in the University Graduate School for such graduate of the college named as its President may recommend to the Chancellor of the University:

WILLIAM L. STRONG SCHOLARSHIP, for graduates of Kenyon College, Gambier, O.

A. D. JUILLIARD SCHOLARSHIP, for graduates of Wooster University, Wooster, O.

CHARLES T. BARNEY SCHOLARSHIP, for graduates of Western Reserve University, Cleveland, O.

S. LOEB SCHOLARSHIP, for graduates of University of Cincinnati.

HENRY M. MACCRACKEN SCHOLARSHIP, for graduates of Wittenberg College, Springfield, O.

Location and Buildings

Courses in the University Graduate School, except laboratory courses in Science, are given at the University Building, Washington Square East. Certain class rooms on the ninth and tenth floors are set apart for the use of this school, and the library and reading-rooms of the University Law School, the School of Pedagogy, and the School of Commerce, are open also to students of the Graduate School on equal terms. The social room of the School of Pedagogy is open also to women students of the Graduate School.

The building is very centrally located, and can be easily reached from Brooklyn and New Jersey. The street railway on Eighth Street, running to Brooklyn and connecting by transfer with all north and south bound lines, is within a short block of the entrance to the University elevators on Waverley Place. The Eighth and Bleecker Street stations of the Sixth Avenue Elevated Road, the Ninth Street Stations of the Third Avenue Road and Hudson Tunnel, and the Astor Place Station of the Rapid Transit Road are within five minutes' walk.

The class rooms, being on the two upper floors of the building, are above the noise and dust of the city, and the wide expanse of Washington Square assures abundant air and light.

Courses in Science, requiring the use of a laboratory, are given at University Heights, the magnificent site of the University College and School of Applied Science, with the exception of the courses in Physiology, which are given in the Physiological Laboratory of the University Medical College at First Avenue and Twenty-sixth Street.

Library and Laboratory Facilities

THE GENERAL LIBRARY of the University occupies the great Memorial Library Building at University Heights. Its reading-room is surpassed by few, if any, rooms of similar character in the world. The books are arranged according to departments. Eighteen departments have each their own Seminar Rooms, in or near which are placed the working libraries of those departments. Graduate students enjoy the privileges of these private rooms, and may also take certain books from the library for home study, under the regulations which will be found in the general catalogue. The library is catalogued according to the Dewey decimal system. It includes the following notable collections :

The Lagarde Library of Semitic Languages. This collection was purchased by the University in 1896 from the estate of the late distinguished orientalist, Professor Paul de Lagarde of Göttingen. It is rich in all branches of Oriental investigation. This department possesses also a good collection of ancient Babylonian inscriptions, which will give students of Assyrian an opportunity to practise reading from the original clay.

The Ottendorfer Germanic Library.—This collection, the gift of the late Hon. Oswald Ottendorfer, LL.D., of New York, is one of the two or three most complete collections of its kind in the world. It numbers over twelve thousand volumes. It contains one hundred and thirty complete sets of literary journals.

The Hübner Classical Collection.—New York University in 1902 purchased the entire professional library of the late Dr. Emil Hübner, professor of classical philology in the University of Berlin (Feb. 1901). This collection, which was making during the fifty years from 1851-1901, presents a thoroughly efficient apparatus for the pursuit of graduate study in all branches of classics. It is well balanced in all these, but is particularly strong in all publications dealing with the Inscriptions of the Roman Empire, pre-eminently so in the Epigraphy of the Spanish Peninsula and of Britain, which Hübner himself edited in Mommsen's *Corpus Inscriptionum Latinarum*. The collections of Latin Literature and Latin Grammar are of similar excellence : they contain the material on which Hübner's noted Bibliographical Outlines were based. The

Archæological Collection too is noteworthy—some 3000 monographs are a part of the collection. A Livy of 1482 and a Vergil of 1502 illustrate the Classicism of the Renaissance.

THE LIBRARY OF THE SCHOOL OF PEDAGOGY, at Washington Square, is a very complete working library of eight thousand volumes, dealing exclusively with philosophical and pedagogical subjects.

THE LIBRARY OF THE SCHOOL OF COMMERCE, at Washington Square, contains two thousand volumes, dealing exclusively with economic and commercial subjects.

THE ASTOR BRANCH OF THE NEW YORK PUBLIC LIBRARY, on Lafayette Place, is the largest library in the city, and being within five minutes' walk of the University Building at Washington Square, is found most valuable and accessible by the students of the Graduate School.

THE HAVEMEYER CHEMICAL LABORATORY, provided by the liberality of Mr. William F. Havemeyer, in memory of his father and brother, is a building three stories in height and occupies an area of sixty by seventy feet. The lowest story contains workshops and store-rooms as well as an even temperature room for gas analysis and an Assay Laboratory. The next floor contains a spacious lecture room, with all appliances for experimentation in pure and applied chemistry; a laboratory for advanced work in chemical research, a reading room with the Solomon Loeb chemical library and the private laboratory of the Professor of Chemistry. The top floor contains the private laboratory of the instructors in Chemistry, and large laboratories for qualitative and quantitative analysis, together with a balance room, a room for work with noxious gases, and a library. All the laboratories are provided with the usual appliances, as well as with lines conveying steam, compressed air, and suction, to the various desks and oxygen and other gases to appropriate working tables. The ventilation throughout is by forced draft.

CHARLES BUTLER HALL, the Laboratory of Physics, and the other laboratories of the School of Applied Science are also well equipped, and their facilities are placed at the command of students in this department of the Graduate School, so far as the subjects demand.

THE LABORATORY OF THE DEPARTMENT OF GEOLOGY AND THE GEOLOGICAL MUSEUM are located in the Museum of the Hall of Fame at University Heights. The collection numbers about 30,000 specimens and the laboratory is equipped with machinery for cutting and polishing rocks and fossils.

THE LABORATORY OF THE DEPARTMENT OF EXPERIMENTAL PSYCHOLOGY is located on the Ninth Floor of the University Building at

Washington Square, and is fully equipped with the necessary apparatus, models, etc.

THE LABORATORY OF THE DEPARTMENT OF PHYSIOLOGY, at the University Medical College, is situated in the new building erected in 1899, and is fully equipped with the most recent apparatus and supplied with abundant material.

Teachers' Bureau

The University maintains a Teachers' Bureau for the benefit of those students who are teachers or who are preparing to enter the profession. The service of the Bureau is rendered free of charge to all students of the Graduate School. The Bureau, while making no promise in regard to placing students as teachers, will do its best to find them advantageous teaching positions for which, according to its judgment, they are prepared. Application blanks may be secured from the University Registrar.

The Bureau will welcome notices of any vacancies in teaching positions that may come to the attention of University students.

University Philosophical Society

This Society was organized in 1910 by students of the Graduate School for the study of philosophic problems. Meetings are held alternate Tuesdays throughout the school year. Membership is open to all students of the university interested in philosophy. The annual dues are one dollar. The Society undertakes to publish each year the best thesis submitted in the Philosophy of Life course.

The Charles F. Deems Lectureship

The University accepted, April 15, 1895, from the American Institute of Christian Philosophy, an endowment of Fifteen Thousand Dollars for the support of a lectureship to be called the Charles F. Deems Lectureship of Philosophy, under the following rules:

The University agrees to maintain said lectureship by securing for each year, or each alternate year, a Lecturer, eminent in Science and Philosophy, who shall treat in not less than six lectures some one of the most important questions of Science and Philosophy, with a special reference to its relation to the revealed truths of the Holy Scriptures and to the fundamental principles of Theistic Philosophy.

The Lecturer shall be chosen by the University's Committee upon the Charles F. Deems Lectureship, which shall consist of the Chancellor and two members of the Faculty of Arts and Science and two members of the University Council, to be named as the Council may direct. The

subject for each year's lectures shall be agreed upon between this Committee and the Lecturer.

The University shall provide, free of charge, a room for the lectures, and shall, at its own expense, make due public announcement of the time and place of each lecture. The University shall also publish, in book form, each series of lectures, and put the same on sale with one or more reputable book firms, provided this can be done without further expense than can be met by the accumulation of income over and above the expense of maintaining the annual or biennial series of lectures.

The University's Committee at present is constituted as follows: Chancellor MacCracken, Dean Hering, Mr. William S. Opdyke, and Rev. Dr. George Alexander.

The fifth course upon this foundation was given in November, 1910, by Sir William M. Ramsay of Aberdeen University, on "The Religion of Paul in Terms of the Present Day."

COURSES OF INSTRUCTION

Graduate Courses of Instruction are announced below, with the understanding that the instruction in each branch is subject to the conditions hereinafter specified.

1. The courses are offered subject to such arrangement of matters of detail as may be made between the student and the professor or instructor by correspondence or by personal interview.

2. In certain subjects the courses are offered under the condition that not less than five persons enroll for the course selected.

3. For certain courses acquaintance with the German and French languages is essential.

4. Courses inclosed in brackets will not be given in 1911-12.

5. Courses marked (*) are open to those College Seniors and to Students of the Collegiate Division who have permission to take graduate work. Of these courses, but one may be included in the Major Series for the Doctorate.

6. Full courses demand attendance each for at least two hours weekly upon the lectures or seminary instruction of professors. Half courses may demand attendance for one hour a week for the whole year or, in certain subjects, two hours weekly for half a year. But in certain laboratory courses a half course may require two hours throughout the year. All courses designated in this schedule as requiring two hours weekly are full courses, unless otherwise indicated. In the requirements for degrees two half courses are considered to be the equivalent of one full course.

7. When not specified, the hours of the lectures will be fixed by special arrangement to suit the convenience of instructor and students,

Group I.—Language and Literature

DEPARTMENT OF GREEK

Consultation hours: Professor Waters, Saturdays in October 10-12 A.M., University Building, Washington Square. On other days, by appointment.

I. THE GREEK DRAMA. Origin, development and influence of the classic drama; study of the structure, action and production of Greek plays; critical study of fifteen selected plays in original and translation. Haigh's *Tragic Drama of the Greeks; Attic Theatre*. Full course. Two hours. Wednesday, 4-6. Professor Waters.

*II. HOMER. His dialect and vocabulary. Homer the poet, and the object of study and literary criticism. His place in literature and in archæology. A course primarily for teachers of Greek. Leaf, *Companion to the Iliad*; Seymour, *Life in the Homeric Age*. Iliad, books I-VI; Odyssey, books I-VIII. Full course. Two hours. Friday, 4-6. Professor Waters.

III. GREEK HISTORY. *Herodotus*; from Cyrus to Darius. Rise and early uses of prose-writing. *Thucydides*; study of books II and VI. Greek historiography. Bury's *Greek Historians*. Full course. Hours to be arranged. Professor Waters.

IV. THE GREEK ORATORS. With pedagogical study in the teaching of the rendering of Attic prose Greek into English. Constitutional antiquities. Greek prose composition. Antiphon, *Murder of Herodes*; Andocides, *De Mysteriis*; Pericles' Funeral Oration; Isaeus, one will-case, will be studied. Jebb's *Attic Orators*. Full course. Thursday, 4-6. Professor Waters.

*V. ATTIC PROSE. Xenophon, as exponent of formal Greek grammar; his diction and word formation; sentence structure. Xenophon as historian and essayist. *Anabasis*, books I, II, IV; *Hellenica*, books I and II. This course is adapted to meet the desires of teachers of Greek. Prose Composition. Full course. Hours to be arranged on consultation. Saturdays, hours to be arranged.

Professor Waters.

Upon ample notice, Courses IV and V may be re-arranged, or an additional language course may be added.

*GREEK VI. (a) RELIGION. Religion and mythology of the Greeks. A study based on evidences in Greek Literature and archæological discoveries. Religious teachers. Deities, temples, temple-service and

property ; cults. The works of Fernald, Jane Harrison and James Adam will be consulted. Selected passages from a wide range of Greek writers. 1 hour. Saturday, 11.15-12.15. Professor Waters.

*GREEK VI. (b) ART. Study of Architecture, Sculpture, Painting ; The Temple and public buildings ; coins, gems, vases. Selected passages from Greek and Latin writers. Archæological researches in Greece and Italy to-day. 1 hour. Saturday, 12.15-1.15.

Professor Waters.

*GREEK VII (a) LITERATURE. The general range from Homer through the period of Alexandrine criticism. Epic, dramatic and lyric poetry. History, oratory and philosophy. In 1910-11 poetry, the principal study, the dramatists and Theocritus being the principal writers studied. 1 hour. Saturday, 9.15-10.15.

Professor Waters.

*GREEK VII (b) HISTORY. The history of Greece through to the Roman Conquest. Greek politics and State-craft. Selected passages of Herodotus, Thucydides, Xenophon ; Aristotle's *Politics* ; Plato's *Republic*, III-V ; Bury's *History of Greece* and *Greek Historians*. 1 hour. Saturday, 10.15-11.15.

Professor Waters.

DEPARTMENT OF LATIN

Consultation hours : Professor Sihler, last Saturday in September and first Saturday in October, 10-12 A.M., University Building, Washington Square ; Monday and Saturday evenings at residence ; all day Mondays, at University Heights. Students are invited to use the Hübner collection freely.

[XII. THE TWENTY PLAYS OF PLAUTUS. The *Testimonia veterum*, etc., as presented in Goetz and Schöll's edition. The *prologi : cantica*, etc. Word-formation, inflection, etc., as influenced by metrical adaptation, with comparative study of Ribbeck's *Scenici*. Two hours.] Professor Sihler.

LATIN XVIII. A complete survey of, and introduction to the History of Classic Roman Literature, from Livius Andronicus to Gellius, *in a single course*. (By omitting readings from the authors it will be possible to traverse this entire domain in *one*, instead of as hitherto in *two courses*.) This course is required for candidates for the degrees of A.M. and Ph.D., whose major series is in the Department of Latin. Two hours. Saturdays, 9.15-11.15.

Professor Sihler.

LATIN XIX. READING AND WRITING COURSE. It is proposed in this course to lay out a course of reading with a twofold aim : (a) Such texts as are particularly rich for literary and biographical data ; e. g., the traces of Varro-Suetonius (Gellius) ; Jerome's Latinization of

Eusebius, Cicero (Orator, de Oratore, Brutus); Grammatici and Rhetores (Suetonius); Quintilian, Seneca Rhetor, and Seneca the Essayist; Tacitus' Dialogus. Some notice of Probus, Terentianus Maurus, Donatus, Diomedes (in Keil's Grammatici); Servius, Macrobius. (b) Specimens of best literature. (c) It is proposed to *write Latin abstracts* of literary data, and to rehearse such matter *orally in Latin*.
 Two hours. Saturdays, 11.15-1.15. Professor Sihler.

NOTE.—XVIII. and XIX. are offered in 1911-12. Teubner Texts.

DEPARTMENT OF SEMITIC LANGUAGES

Consultation hours: Professor Isaacs, Washington Square. Wednesday in September, 3-4 P. M.

Hebrew

* I. SELECTIONS FROM THE PENTATEUCH, with thorough grammar. Easy narrative reading and translation into Hebrew. One hour.

II. ISAIAH, with lectures on the history of the Hebrew language. Two hours. Tuesday, 1-3 P. M. Professor Isaacs.

Aramaic

[II. TARGUM ONKELOS, with lectures on origin and character of the Targumin. One hour.] Professor Isaacs.

III. SEMITIC ARCHÆOLOGY. The chief Aramaic Inscriptions. Cooke's North Semitic Inscriptions. One hour. Tuesday, 11-12 A. M. Professor Isaacs.

Rabbinical

I. THE MISHNA. "Pirke Aboth" and "Aboda Zara," Strack's edition, with lectures on the beginnings of rabbinical literature. One hour. Tuesday, 3-4 P. M. Professor Isaacs.

Syriac

I. NESTLE'S SYRIAC GRAMMAR, with Chrestomathy. A beginner's course. Hours to be arranged. Professor Isaacs.

Arabic

I. SOCIN'S ARABIC GRAMMAR. Introductory course. Lectures on the early Arabic authors. One hour. Hours to be arranged. Professor Isaacs.

DEPARTMENT OF ENGLISH

Consultation hours : Professor Stoddard, Saturdays in October, 10-12 A.M. Professor Bouton, Tuesdays in October, 3-4 P.M. ; Saturdays, 9-11 A.M. University Building, Washington Square.

English Literature

I. ENGLISH POETRY. Study of the history of poetic forms, and of the development of poetry in English Literature. Full course, two hours. Monday, 4-6. Professor Stoddard.

*II. MODERN DRAMA. Study of dramatic art as illustrated in selected masterpieces of the Elizabethan and Modern periods. Full course, two hours. Saturday, 9.15-11.15. Professor Stoddard.

[III. COMPARATIVE LITERATURE. The aim of this course is to study the intellectual activity of a single period, and especially to investigate the relations of the English literature of the era chosen to the contemporary intellectual life of Europe. Half course, one hour.]

Professor Stoddard.

Course III. will probably not be given in 1911-12.

IV. DEVELOPMENT OF FICTION. Study of the history and characteristics of English Fiction. Full course, two hours. Saturday, 11.15-1.15. Professor Stoddard.

*V. THE EVOLUTION OF THE ESSAY. A study of the history, nature and later development of the English Essay in the Seventeenth and Eighteenth Centuries. Full course, two hours. Wednesday, 4-6.

Professor Stoddard.

VII. ENGLISH LITERARY CRITICISM. A study of the critical appreciation of English literature. The evolution of methods of criticism as applied especially to poetry. Lectures upon the history and theory of English prosody. Full course. Two hours. Tuesday, 4-6.

Professor Bouton.

*VIII. THE PROGRESS OF ENGLISH LITERARY PROSE. Prose literature in English from the point of view of literary art, including : (1) English prose and its formative influences ; (2) Vernacular and elaborate prose in the seventeenth century ; (3) Modern prose, beginning with Dryden. The influence of special subject matters and functions upon prose style ; style and personality. Classical and romantic prose in the eighteenth and nineteenth centuries. Study through

special assignments of representative writers chosen from each of the periods indicated. Two hours. Saturday, 11.15-1.15.

Professor Bouton.

* IX. THESIS—WRITING AND RESEARCH. Two hours a week. Saturday, 9.15-11.15.

Mr. Nason.

The aim of this course is to combine training in expository composition with elementary practice in research. The course will consist of lectures on the theory of exposition and on the principles of research as applied to the history of literature; a study of manuals, *e.g.*, Langlois and Seignobos's *Introduction to the Study of History*; and, by each student, the preparation of a series of written reports of his researches within a limited field of investigation. This field will be, for 1911-12, *The Spectator* as an embodiment of the life and letters of its day; for 1912-13, minor romanticists of the mid-eighteenth century; for 1913-14, Doctor Johnson and his circle. The course will be of especial value to students who are about to prepare theses for the degree of master of arts.

English Philology

[I. ANGLO-SAXON (INTRODUCTORY COURSE). Study of the history and development of the Old English dialects. Critical examination of selected examples of old English prose. Full course, two hours.]

Professor Stoddard.

[II. ANGLO-SAXON (ADVANCED COURSE). Study of Old English poetry with especial reference to the phonology and prosody. Full course, two hours. Hours to be arranged.]

Professor Stoddard.

[III. ENGLISH PHILOLOGY (ADVANCED COURSE). The dialects and the literature of the Middle English period. Full course, two hours.]

Professor Stoddard.

DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

Consultation hours: Professor McLouth, every week day, except Friday and Saturday, 4-5 P. M., Saturday 9.15 A. M.-1 P. M., at Washington Square; Associate Professor Wilkens, Saturdays, 11.15 A. M.-1 P. M., at Washington Square; or both at any time by letter at University Heights.

German Literature

[I. II. GENERAL COURSE IN THE HISTORY OF GERMAN LITERATURE. This course is planned to cover two years, the first giving a general survey of the subject up to the time of Lessing, the second continuing the subject down to the present day. The course will consist of lectures, recitations, discussions and written quizzes, together with the preparation of a small *Arbeit*. The guide for the course will be *Scherer's Geschichte der deutschen Litteratur*, 8. Auflage, Berlin, 1899, and *Max Müller's German Classics*; readings will be assigned in the histories of *Brandes*, *Gervinus*, *Gottschall*, *Haym*, *Koberstein*, *Koegel*, *Schmidt*, *Vogt u. Koch*, *Wackernagel*, and others. Two hours.]

Professor McLouth.

Va. THE FIRST ROMANTIC SCHOOL. Wackenroder, Tieck, Novalis, Friedrich Schlegel, August Wilhelm Schlegel. The great importance of the Romantic School in German culture will be brought out by a study of select works of these authors. Original investigations on select topics. Saturday, 11.15-1.15

Associate Professor Wilkens.

Vb. SCHILLER'S PERIOD OF MATURITY. Schiller's theory and practice of the drama as evolved through his philosophical and esthetic studies, and his intercourse with Goethe, with especial reference to his *Wallenstein*. The modification of his theory and practice in later dramas. Original investigations of select topics will form part of the course. (Offered as alternate course for Va.) Saturday, 11.15-1.15.

Associate Professor Wilkens.

[*VI. THE "STURM UND DRANG" PERIOD OF GERMAN LITERATURE (1770-1780), being a study of (a) the beginnings of this movement in the influence of such writers as Shakespeare, Ossian and Rousseau; (b) its development in Germany by Klopstock, Lessing, Hamann and Herder; (c) its course as seen in Goethe's *Götz*, *Werther* and early lyrics, in Schiller's *Räuber*, *Fiesco* and *Kabale und Liebe*, and in the works of Klinger, Leisewitz, Lenz, Wagner and Müller, and (d) the resulting influx of fuller life into German literature as seen in the subsequent classical period. Two hours.]

Professor McLouth.

German Philology

I. INTRODUCTORY COURSE IN MIDDLE HIGH GERMAN. A study of the phonology, accidence and syntax of Middle High German, as given in the latest edition of Hermann Paul's *Mittelhochdeutsche Grammatik*; the reading of twenty cantos of the *Nibelungenlied* (Zarncke's edition); lectures upon the manuscripts, the legends, the origin-theories, the meter, the antiquities, the literary offspring, etc., of the *Nibelungenlied*.

Each student will be expected to present a brief paper upon some assigned topic. Two hours. Thursday, 4.15-6.15.

Professor McLouth.

II. INTRODUCTORY COURSE IN OLD HIGH GERMAN. A study of the phonology and accidence as given in Braune's *Althochdeutsche Grammatik*; the reading of selections in Braune's *Althochdeutsches Lesebuch*. Two hours. Tuesday, 4.15-6.15, or by arrangement.

Associate Professor Wilkens.

[III. INTRODUCTORY COURSE IN GOTHIC. A study of the phonology and accidence as given in Wilhelm Braune's *Gotische Grammatik*, 5. Auflage, Halle, 1901; the study of portions of Streitberg's *Urgermanische Grammatik* and Stamm-Heyne's *Ulfilas*, 11. Aufl. 1908; the reading of selections from the Gospels of Matthew, Mark and Luke, the Epistle to the Corinthians in Wulfila's translation of the Bible, and of pages i and vii of the *Skireins*. A reading knowledge of Greek is a decided advantage but not a prerequisite. Two hours.]

Professor McLouth.

DEPARTMENT OF ROMANCE LANGUAGES

French

Consultation hours: Professor Gillett, daily during October, at University Heights. Dr. Delamarre, first Monday, Tuesday, and Wednesday in October, 4-6 P.M., Washington Square.

[*I. SOURCES AND DEVELOPMENT OF FRENCH COMEDY. Influence of Italy and Spain on writers of Comedy in France, as illustrated in the works of Corneille and Molière. Nisard: *Histoire de la littérature française*. De Julleville: *Le Théâtre en France*; *Les Comédiens en France*. Moland: *Molière et le Théâtre italien*. Larroumet: *La Comédie de Molière*. Two hours.]

Dr. Delamarre.

II. STUDY OF THE BEGINNINGS AND GROWTH OF FRENCH TRAGEDY. Investigation of sources of selected plays of Corneille and Racine. Demogeot: *Littératures méridionales*. Ste. Beuve: *Portraits littéraires*. Paul Albert: *La Littérature française au XVII^e siècle*. Nisard, De Julleville, Lauson, etc. Two hours.

Professor Gillett.

III. RENAISSANCE LITERATURE IN FRANCE. With especial reference to the influence of Rabelais, Montaigne, the *Satyre Ménippée*, Marot, and Ronsard. Lenient: *La Satire en France au XVI^e Siècle*. Stapfer: *Rabelais, sa personne, son génie et son œuvre*. Paul Albert: *La Littérature française au XVI^e Siècle*. Darmsteter and Hatzfeld: *Le XVI^e siècle en France*. Nisard, Demogeot, etc. Two hours. Professor Gillett.

[IV. THE EIGHTEENTH CENTURY IN FRANCE. Society, men and ideas. Analytical study of representative authors : Voltaire, D'Alembert, Diderot, etc. Two hours.] Dr. Delamarre.

V. HISTORY OF THE FORMATION AND DEVELOPMENT OF THE FRENCH LANGUAGE. In four parts : 1. Phonetics ; 2. Morphology ; 3. Syntax ; 4. Semantics. One part to be given each year. Part 4, Semantics will be given in 1911-12. Two hours. Wednesday, 4-6.

Dr. Delamarre.

[VII. THE FRENCH LITERARY MOVEMENT IN THE SECOND HALF OF THE NINETEENTH CENTURY. The Comedy from Dumas to Rostand. New poetical schools : Parnassians, Neo-Romanticists, Symbolists, etc. Evolution of the Novel. G. Pellissier : *Le mouvement littéraire contemporain*. Two hours.

Dr. Delamarre.

*VIII. HISTORY OF FRENCH LITERATURE IN THE SEVENTEENTH CENTURY. Faguet, *le dix-septième siècle* ; G. Pellissier, *Le dix-septième siècle par les textes*. Two hours. Tuesday, 4-6.

Dr. Delamarre.

IX. MEDIEVAL FRENCH LITERATURE FROM THE ORIGINS TO THE END OF THE THIRTEENTH CENTURY. *Petit de Julleville* ; *Histoire de la langue et de la littérature française*, Vol. I ; G. Paris, *La littérature française au moyen âge*. Two hours. Monday, 4-6.

Dr. Delamarre.

Spanish

I. SPANISH LITERATURE IN THE TIME OF CERVANTES. Study of *Don Quixote* and the Picaresque Novel : *Marcos de Obregón*, *Lazarillo de Tormes*, etc. Ticknor : *History of Spanish Literature*. Sismondi : *Literature of the South of Europe*. Bouterwek, Schlegel. Two hours.

Professor Gillett.

II. HISTORY OF THE DRAMA IN SPAIN. Study of its rise and development in the seventeenth century. Selected plays of Lope de Vega (E. Zerolo, *Obras Escogidas*), Calderon (Maccoll's *Select Plays*), and Juan de Alarcon. Moratin : *Orígenes del teatro español*. Ticknor, Schack, Revilla, etc. Half course, one hour.

Professor Gillett.

Group II.—Philosophy and History

DEPARTMENT OF PHILOSOPHY

Consultation hours : Professor MacDougall, Monday, Tuesday, Thursday, 3.30-5.30 ; Professor Shaw, Friday, 4-6, and Saturday, 9-1 ; Professor Lough, Wednesday, 3-3.45 ; Saturdays, 9.15-10.15 ; all at Ninth Floor, University Building, Washington Square.

Systematic Philosophy and History of Philosophy

*** XXIV. THE HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY.** A course of lectures on the development of ancient speculation, with readings from the writings of the leading thinkers. In addition to an analysis of classic philosophy in the light of antique culture, the course aims to distinguish between the spirit of Paganism and that of Christianity. Two hours. Saturday, 11.15-1.15. Professor Shaw.

XXXI. HISTORY OF MODERN PHILOSOPHY. The work of this course will include a study, first, of individual men and their contributions; and second, of the problems and general tendencies of the period. In both cases the development of philosophic thought will be considered in its relation to the history of human knowledge and ideals of life. Systematic reading will be prescribed in connection with the work. Two hours. Tuesday, 3.45-5.45. Professor MacDougall.

[XXXII. SEMINAR IN MODERN PHILOSOPHY. The aim of this course is to give the student some acquaintance with the works of modern philosophical writers and at the same time to provide an opportunity for special reading and research along those lines in which each student is interested. The literature of the course will consist of two parts: first, a series of representative readings in modern philosophical classics, in which all members of the class will participate, and second, systematic reading in those philosophical movements in which each student is especially interested. Either individual writers or phases of thought may be selected as the subject of study. Two hours.]

Professor MacDougall.

V. GERMAN IDEALISM. A study of Hegel and his followers. Two hours. Thursday, 4-6. Dr. Kahn.

*** XIV. PHILOSOPHY OF ETHICS.** A philosophy of life from the standpoint of ethical theory. The course presents and criticizes both hedonism and rigorism, and attempts to develop a third theory in the form of humanism. Two hours. Saturday, 9.15-11.15.

Professor Shaw.

[* XVI. SYSTEMATIC PHILOSOPHY. This course is pursued with a twofold aim: to serve as an introduction to the general subject of philosophy; and to provide, for more advanced students, a systematic survey of the various forms of philosophic activity. Two hours.]

Professor Shaw.

XVII. METAPHYSICS. A study of being viewed as appearance, activity and reality. This course is pursued with a twofold aim; it

seeks to determine both the nature of the world and the place of the Ego therein. Two hours. Friday, 3.45-5.45. Professor Shaw.

IX. EPISTEMOLOGY. This course will consist of an analysis of the conceptions employed by ordinary and by scientific thought in endeavoring to interpret the world. A critical study will be made of the assumptions involved and the methods of reaching the fundamental conceptions and principles of the different sciences. The course will also include a study of the origin of knowledge as shown in the opposing views of rationalism and empiricism; the nature of the object of knowledge contained in the theories of idealism and realism; and the validity of knowledge, including dogmatism, scepticism, relativism, positivism. The aim of the course will be to enable the student to ascertain the nature and trustworthiness of knowledge by helping him to see for himself the nature of the foundation of what we know and believe. Two hours. Monday, 3.45-5.45. Professor Lough.

Psychology

*XIX. SYSTEMATIC PSYCHOLOGY. This course undertakes a scientific study of the functions and phenomena of consciousness. Its aim is to give the student a working conception of mind based upon the results of introspective and experimental investigations. The psychological works of James will be read with special reference to a comparison of his views with those of other leading psychologists. Two hours. Tuesday, 3.45-5.45. Professor Lough.

*XXVII. GENETIC PSYCHOLOGY. A study of the process of mental development in the individual and the race. The work of the course consists of two parts: first, the phenomena and laws of individual mental growth; infancy, the child mind, adolescence, senescence. Second, the derivation of mental characteristics; heredity and evolution. Selected literature will be read in connection with the course. One hour. Thursday, 4.45-5.45. Professor MacDougall.

XXXIV. SOCIAL PSYCHOLOGY. Three general topics are taken up. First, the psychological self; its essential dependence upon social relationship; reflection of social consciousness in individual judgments; rivalry of social ideals in self-development. Second, the process of development in its relation to social factors; suggestion and imitation; inventiveness and dependence; reaction and opposition. Third, social groups and their characteristics: the mob-consciousness; social delusions and manias; tradition and caste; social idealizations and their

relation to individual action—the family, class and state ; the relation of the social self to the moral and religious consciousness.

The reading for this course will be selected in connection with each topic discussed, and upon the report of such literature the class-work will be largely based. Two hours. Saturday, 11.15–1.15.

Professor MacDougall.

XX. EXPERIMENTAL PSYCHOLOGY. The problems, methods, and results of experimental psychology are presented and subjected to critical examination. Students have an opportunity of becoming acquainted with the practical phases of experimentation through laboratory work. Two hours. Wednesday, 3.45–5.45.

Professor Lough.

XXI. RESEARCHES IN EXPERIMENTAL PSYCHOLOGY. This course is open to those who have completed a general course in experimental psychology. The subject taken up by each student will be selected after consultation. Two hours. Hours to be arranged. Professor Lough.

Comparative Religion

[I. HISTORY OF RELIGIOUS THOUGHT. A critical examination of the development of religious thought in modern times. The aim of this course will be to show under what conditions the religious idea was emancipated and to determine the salient features of current speculation in religion. Two hours.]

Professor Shaw.

* II. PHILOSOPHY OF RELIGION. A constructive study of the religious principle in mankind. This course asserts the independence of the religious precinct and endeavors to relate philosophy of religion to other forms of philosophical culture. Two hours. Monday, 3.45–5.45.

Professor Shaw.

III. DEVELOPMENT OF POSITIVE RELIGION. An investigation of the origin, development and culmination of the religious consciousness. Special attention is paid to the development of religion in India. Two hours. Hours to be arranged.

Professor Shaw.

IV. THE RACIAL SENSE OF SIN. An inductive and psychological study of the sense of sin in various stages of the development of religion in the race and in the child, based on ritual, myth, literature, and observation. The successive topics will include the sense of sin as implied in primitive religion, the Egyptian Book of the Dead, the Babylonian penitential psalms, the Hindoo sacred literature, Confucianism, the Hebrew literature, the Greek and Roman religion, the Koran, and in Christianity, concluding with the new views of sin in modern social thinking. Lectures, readings, and discussions. One hour. Monday, 4.45–5.45.

Professor Horne.

DEPARTMENT OF EDUCATION

Consultation hours : The hours are as announced under the Department of Philosophy, and Professor Balliet, Saturdays, Dean's Office, School of Pedagogy. Professor Horne, Saturday, 9.45-10.15, and Monday, Tuesday and Friday, 3.30-3.45.

The following courses given in the School of Pedagogy are graduate courses in Education. In this department three hours constitute one full course. The fees are \$10 for a one hour course, and \$15 for a two hour course. When the Major series for the Doctor's degree is in Education, the first minor as well as the second minor must be in some other department. Candidates who desire to take their major series for the doctorate in the Department of Education should consult with Professor Balliet regarding courses required.

P301. HISTORY OF EDUCATION. General Course. Two hours. Saturday, 11.15-1.15. Professor Horne.

P306a. EDUCATIONAL CLASSICS. GREEK AND ROMAN. General Course. One hour. Friday, 3.45-4.45. Professor Horne.

[P306b. EDUCATIONAL CLASSICS. MODERN. General Course. One hour.] Professor Horne.

Courses 6a and 6b are given in alternate years. They may be taken only with or after P301.

P206. PRINCIPLES OF EDUCATION. Two hours. General Course. Saturday, 9.15-11.15. Professor Balliet.

P211. GENERAL METHOD. General Course. Thursday, 4.45-5.45. Professor Balliet.

P252. SEMINAR IN GENERAL METHOD. Advanced Course. Wednesday, 4.45-5.45. Professor Balliet.

P421. METHODS OF TEACHING HISTORY IN ELEMENTARY SCHOOLS. General Course. One hour. Saturday, 11.15-12.15. Dr. Sullivan.

P406. SPECIAL METHOD IN ARITHMETIC, READING AND GEOGRAPHY. General Course. One hour. Saturday, 12.15-1.15. Professor Balliet.

P251. INTRODUCTION TO PRIMARY METHOD. Advanced Course. A study of the psychological bases of methods in Primary School subjects. One hour. Thursday, 3.45-4.45. Professor MacDougall.

P176. THE TEACHER'S PHILOSOPHY OF LIFE. Advanced Course. One hour. Friday, 4.45-5.45. Professor Horne.

P351. HISTORY OF EDUCATION. Seminar. Advanced Course. Two hours. Tuesday, 3.45-5.45. Professor Horne.

P266. RESEARCH IN EDUCATIONAL PROBLEMS. Advanced Course. This course is intended for advanced students and to afford an opportunity for the scientific investigation of specific educational problems. The subjects taken up by each student will be determined after consultation. The following are some of the topics now under investigation: Formation of habits; memory; fatigue; distraction; course of pupils through the grades; rapid promotion of pupils; relative value of oral and visual training in language and arithmetic, etc. The study of these topics will be continued, and such other subjects will be taken up as the interests of the individual student may suggest. Special permission is required for enrollment. One hour. Saturday, 10.15-11.15. Professor Lough.

P271. SEMINAR IN EDUCATION. Advanced Course. Two hours. Thursday, 10 A.M. Dean Balliet.

P216. MORAL EDUCATION. General Course. One hour. Saturday, 10.15-11.15. Professor Horne.

P221. RELIGIOUS EDUCATION. General Course. One hour. Monday, 3.45-4.45. Professor Horne.

P166. ANTHROPOLOGICAL STUDY OF SCHOOL CHILDREN. Advanced Course. Two hours. Monday, 3.45-5.45. Dr. Radosavljevich.

P256. EXPERIMENTAL PEDAGOGY. Advanced Course. Two hours. Saturday, 11.15-1.15. Dr. Radosavljevich.

P258. SEMINAR IN EXPERIMENTAL DIDACTICS. Advanced Course. Two hours. Saturday, 9.15-11.15. Dr. Radosavljevich.

P171. CHILD STUDY. One hour. Advanced Course. Saturday, 2.15-3.15. Dr. Radosavljevich.

P257. SEMINAR IN EXPERIMENTAL PEDAGOGY. Advanced Course. Two hours. Tuesday, 10 A.M. Dr. Radosavljevich.

DEPARTMENT OF ECONOMICS

Consultation hours: Professor Johnson, Monday, 3 to 4; Dr. Galloway, Tuesday, 3 to 4, University Building, Washington Square.

* I. HISTORY OF POLITICAL ECONOMY. The study of the development of economic theory, especial attention being given to Smith, Ricardo, Mill and the Austrian School. Two hours. Monday, 4-6. Professor Johnson.

II. MONEY, BANKING AND FOREIGN EXCHANGE. An historical and analytical study of the mechanism of exchange. The evolution of

money and credit and their relation to prices, wages and the rate of interest, the money market, speculation and the foreign exchanges. Two hours. Wednesday, 4-6. Professor Johnson.

*VI. INDUSTRIAL EVOLUTION. A study of the commercial and industrial development of England and the United States during the last century. Tuesday, 4.45-6.45. Assistant Professor Galloway.

*VII. ADVANCED ECONOMICS. An analysis of the modern theories of value and distribution. Two hours. Thursday, 4-6. Assistant Professor Galloway.

DEPARTMENT OF SOCIOLOGY

Consultation hours: Dr Binder, through October, Mondays, 3-4; Fridays, 3-4; Saturdays, 8.30-9.15 and 1.15-2.00, at Washington Square.

*II. PRINCIPLES OF SOCIOLOGY. The province of sociology; the elements, structure, forces and control of society; the laws and causes of progress. Two hours. Friday, 3.45-5.45. Dr. Binder.

[III. CONTEMPORARY SOCIOLOGISTS. (a) Forerunners of sociology. The endeavor toward social amelioration of the sentimental, ethical and revolutionary reformers, such as Saint Simon, Carlyle, Marx. (b) Scientific Sociologists, the scientific systems of prominent writers, Comte, Spencer, Schäffle, Gumpłowicz, Ward, Small, Tarde, Giddings.] Dr. Binder.

IV. HISTORY AND PHILOSOPHY OF CIVILIZATION. The natural conditions of civilization, *e.g.*, climate, soil, etc. Material civilization—exploitation of the forces of nature by man. Spiritual civilization—conditions of mental and moral progress of mankind. Interaction and inter-dependence of the various factors from prehistoric man to the present. Laws and tendencies shown in the historical development of social organization. Saturday, 11.15-1.15. Dr. Binder.

[V. ANTHROPOLOGY AND ETHNOLOGY. Description of human races; their distribution over the globe; early human remains; types of languages and cultures. Primitive man, mental and physical. Mythology, morality, religion, and art; castes and their functions; laws and customs; their origin and development.] Dr. Binder.

VI. SOCIAL EFFICIENCY. This course consists of four parts. In the first, the gradual growth of social consciousness is traced (a) through religious ideas, *e.g.*, the pantheons of the Greeks and Romans, monotheism, and the universal church; (b) through political institutions, *e.g.*, the Althing of the Teutons and the Town Meeting of New England.

In the second, the relation between social organization and social efficiency is examined; the material used for this purpose are the laws and customs of the Babylonians, Greeks, Romans, Anglo-Saxons, and Japanese. In the third, the increasing and deliberate stress laid on social efficiency is emphasized, particularly among the Germanic and Anglo-Saxon peoples. In the fourth, a critique is given of the various political systems in relation to social efficiency, and a comparison made between industrial and cultural conceptions of social efficiency. Two hours. Saturday, 9.15-11.15. Dr. Binder.

VII. THE FAMILY AND EUGENICS. The family is the basic institution of society, and deeply concerned in all modern improvements—industrial, political, and educational. The first part of the course will give a full treatment of the family from the historical point of view, *e.g.*, polyandry, polygyny, matriarchy, patriarchy, and monogamy; and the religious, ethical, economic and sociological bearings of each form will be brought out. The emancipation of women in industry and politics will be taken up in detail. The second part will treat of the various measures proposed and attempted for the improvement of the human race, *e.g.*, mating, nutrition, etc. The conditions necessary for a healthy family life, and the legal difficulties of preventing the marriage of the mentally and physically unfit will be discussed. Two hours. Thursday, 3.45-5.45. Dr. Binder.

VIII. SEMINAR IN SOCIOLOGY. Two hours. Hours to be arranged. Dr. Binder.

DEPARTMENT OF HISTORY AND POLITICS

Consultation hours: Professor Brown, Saturday, 10-1, Sept. 23 and 30, University Building, Washington Square; Professor MacCracken, daily in office of University Syndic, tenth floor, Washington Square. Dr. Jones, Thursday, Sept. 28, 3-5, and Saturday, Sept. 30, 11-1, Washington Square.

I. CRITICAL STUDY OF THE FRENCH REVOLUTION AND NAPOLEONIC ERA. The aim of this course is to present the essential and sufficient causes and to trace the development of the great human drama that was enacted during this period. The often conflicting historical evidence is sifted and men and measures are weighed in the light of the latest researches. Special and limited subjects are assigned to members of the class as topics for more exhaustive study, the results of which are embodied in brief oral or in written reports. Two hours. Thursday, 3.45-5.45. Dr. Jones.

[II. COMPARATIVE STUDY OF FEDERAL GOVERNMENT. Prefaced by a discussion of the nature of Federal Government and a brief history of the growth of Federal Government down to the present time, this course consists of a comparative treatment of the governments of the chief existing federations; Germany, United States, Canada, Switzerland and Australia. For purposes of comparison a short account is given of the government of several of the great continental powers. Methods as in Course I. Two hours.] Professor Brown.

III. HISTORY OF THE ORIGIN AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. The aim of this course is to explain the origin and the development of the constitution and institutions of the United States and to study the history of the events and movements that have given to the American body politic its present form. The more important features of the American government and constitution are traced from European or Colonial origins through their successive stages of development down to the present time. Lectures will be supplemented by parallel reading and by research on special topics. Two hours. Wednesday, 3.45-5.45. Professor Brown.

VI. MUNICIPAL GOVERNMENT. A study of the special political, economic and social problems created by the growth of modern cities. Two hours. Professor J. H. MacCracken.

[*VII. AMERICAN HISTORY FROM 1828 TO 1856. The chief political and constitutional factors in American history, from the rise of the Jacksonian democracy to the formation of the Republican party, will constitute the subject matter of this course. Lectures will be supplemented by parallel readings and by research on assigned special topics. Two hours.] Professor Brown.

[*VIII. THE REVOLUTIONARY PERIOD IN AMERICAN HISTORY. A study of the causes and course of the American Revolution and of its completion by the formation of a permanent government for the United States. The course will deal with the history of the destruction of the political and governmental relations with Great Britain, with the conduct of the Revolution, with the government of State and Nation during its progress and with the adoption of the present constitution. Military events will be subordinated to political and constitutional. Lectures will be supplemented by parallel readings and by research on special topics. Two hours.] Professor Brown.

IX. THE CIVIL WAR PERIOD IN AMERICAN HISTORY. This course will deal with the causes and history of secession, with the political and constitutional history of both Federal and Confederate governments

during the war, and with the attempted solutions of the great problems connected with reconstruction. Lectures, reading and research on special topics. Two hours. Saturday, 11 15-1.15. Professor Brown.

[*X. HISTORY OF THE RENAISSANCE AND OF THE REFORMATION IN EUROPE, from the Rise of Italian Humanism to the close of the Council of Trent. The course will cover in some detail the political, social, and religious movements of the Italian Renaissance; it will trace the development of those forces which combined in the Protestant Revolution of the sixteenth century, and will follow the course of that revolution in all the European countries; and it will study the beginning of the Roman Catholic Reaction, as expressed in the Inquisition, the Jesuit Order, and the Council of Trent. Two hours.] Dr. Jones.

*XI. HISTORY OF EUROPE IN THE SEVENTEENTH CENTURY. This course is intended as a continuation of History X, and will be open to students who already have some acquaintance with the period of the Reformation. Its object is to study in some detail the salient features of the struggles of France with Spain and Austria in the late sixteenth and early seventeenth centuries; considerable attention will be paid to the diplomatic history of the Thirty Years' War. The last half of the course will then deal with the supremacy of France during the reign of Louis XIV, closing with the Peace of Utrecht in 1713. A reading knowledge of French will be highly desirable. Two hours. Tuesday, 3.45-5.45. Dr. Jones.

Group III.—Exact and Descriptive Sciences

DEPARTMENT OF MATHEMATICS

Consultation hours: At Washington Square: Friday, Oct. 6, 4-6. Saturdays, Sept. 30, Oct. 7, 9.15-12.15.

*I. CALCULUS. A thorough review of the elementary calculus. Two hours. Saturday, 11.15-1.15. Professor Edmondson.

II. ADVANCED DIFFERENTIAL CALCULUS. Professor Edmondson.

III. ADVANCED INTEGRAL CALCULUS AND DIFFERENTIAL EQUATIONS. Courses II. and III. are offered in alternate years. Course III. is offered in 1911-12. Two hours. Friday, 4-6. Professor Edmondson.

IV. HIGHER PLANE CURVES. Two hours. Professor Edmondson.

V. SOLID ANALYTIC GEOMETRY. Two hours. Professor Edmondson.

VI. THEORY OF FUNCTIONS. Two hours. Professor Edmondson. Course V will be given in 1911-12.

N. B. Course I is not accepted for credit in a major series.

DEPARTMENT OF PHYSICS

Consultation hours : Professor Hering, daily during October, at University Heights ; Ass't Professor Arnold, Saturdays, 10-12, during October, at Washington Square.

I. MAGNETISM AND ELECTRICITY. This is an advanced course in the principles of electro-mechanics. Besides the general treatment, certain topics are selected for detailed study, among them being Ewing's researches in magnetism, Franklin's development of the electric wave theory, and some of the chief phenomena of D.C. and A.C. commercial currents. Full course. Professor Arnold.

II. MECHANICS, THEORETICAL AND APPLIED. Full course. Professor Hering.

IV. MECHANICS. (Higher Course.)

In Course IV. no single textbook is adhered to, references being made to various standard works. The course is an extension of II., with reference to the Theory of Potential, and to Dynamics and Advanced Statics. It also takes up the historical development of the Science of Mechanics. It is open to those who have taken Course II., or an equivalent course in Mechanics, or have completed the undergraduate course in Civil Engineering, and will be given if there are as many as five applicants for it. Full course. Professor Hering.

*VIIIa. GENERAL PHYSICS. For graduates in science, and especially for teachers of physics who desire a more advanced knowledge of the entire subject. Treats chiefly of Mechanics, Properties of Matter and Heat, with some attention to Sound, Light and Electricity. Full course. Professor Hering.

*VIIIb. GENERAL PHYSICS. Treats chiefly of Magnetism and Electricity, Sound and Light, with some attention to the Properties of Matter and Heat. Full course. Professor Hering.

X. SOUND AND LIGHT. Full course. Professor Hering.

Of the courses offered by Professor Hering, not more than two are given in any one year. The usual hour for meeting of classes during the week is 4 P.M., the laboratory work being performed, in large part, on Saturdays.

All the above courses except VIII. require a knowledge of the Calculus, and each course, except IV, requires about fifty hours of work in the physical laboratory, besides written exercises and attendance upon lectures.

DEPARTMENT OF CHEMISTRY

Consultation hours: Professor Lamb, Associate Professor Hill and Assistant Professor Simmons, each daily at University Heights.

The courses enumerated below are given at the Havemeyer Laboratory, University Heights, Borough of the Bronx. The laboratory is open daily from 9 A. M. to 6 P. M. The student will in general be able to suit his own convenience in selecting his hours of laboratory attendance. The lectures will as a rule be given between 4 and 6 P. M. This enables teachers and others similarly employed in the neighborhood of New York City to attend these courses.

College graduates with an elementary knowledge of general inorganic chemistry are admitted to VIIa. This will prepare for VIIb and this in turn for the more advanced courses. It is therefore possible for one who can take only a single course each year ultimately to acquire a broad knowledge of chemistry.

IV. ORGANIC CHEMISTRY. Lectures, two hours weekly. Open to students who have completed VIIa or its equivalent.

Associate Professor Hill.

V. PHYSICAL CHEMISTRY. Lectures, one to two hours a week throughout the year. In addition laboratory work will be given requiring at least 125 hours for its completion. Open to those who have completed VIIb or its equivalent.

Professor Lamb.

VI. HISTORY OF CHEMISTRY. Lectures on the development of chemical thought, with essays by the students. Two hours, February to June. Half course. Open to those who have completed VII (b) or its equivalent.

Professor Lamb.

* VII (a). QUALITATIVE ANALYSIS. 250 laboratory hours. The course is planned to make the student thoroughly familiar with the ordinary scheme of Qualitative Analysis, and to afford some knowledge of the tests for the rarer elements, with practice in spectroscopic analysis and dry analysis.

Associate Professor Hill and Assistant Professor Simmons.

* VII (b). QUANTITATIVE ANALYSIS. Open to students who have completed VII. (a) or its equivalent. 250 laboratory hours.

Professor Lamb and Assistant Professor Simmons.

IX. ORGANIC SYNTHESIS. 250 laboratory hours, devoted to the preparation of a number of typical organic compounds and the study of important organic reactions. Open to students who have completed VIIa and VIIb or their equivalents and have taken or are taking Course IV.

Associate Professor Hill.

XI. THEORY OF ANALYTICAL CHEMISTRY. Lectures, two hours weekly. A development of the theories relating to analytical chemistry, with particular reference to the theory of solution and the law of mass action, and a discussion of the methods of qualitative and quantitative analysis.
Associate Professor Hill.

XII. ELECTROCHEMISTRY. Lectures and laboratory work. One lecture a week throughout the year and 125 hours of laboratory work. Open to those who have completed V or its equivalent.

Professor Lamb.

XIV. ORGANIC ANALYSIS. Half course. 125 laboratory hours. The course will include the usual methods of ultimate analysis and the determination of the principal organic groups. Requirements for admission as in Course IX.

Associate Professor Hill.

DEPARTMENT OF GEOLOGY

I. GEOGRAPHIC INFLUENCES IN NORTH AMERICA. One lecture a week throughout the year with collateral reading. The various effects of Geography upon American history and economics are discussed.

Professor Woodman.

II. * HISTORY OF GEOLOGY AND PHYSIOGRAPHY. This course aims to give a knowledge of the steps by which we have attained our present conception of the larger problems in Geology and Physiography. Half Course; lectures one hour weekly throughout the year, with individual library work. Open as an elective to College Seniors, and to students in the Collegiate Division qualified to take graduate work.

Professor Woodman.

III. DISCUSSION OF SPECIAL TOPICS. Two lectures weekly throughout the year, with library work and a thesis. Subject for 1911-12, "Earthquakes." Full course.

Professor Woodman.

IV. RESEARCH COURSE. No formal lectures are given in this course, the work being done individually by the student. Periodical conferences are held in which the various members, including the instructor, report upon the progress of their studies or defend their finished theses. The subjects may be in Physiography or Geology, and may require field work supplemented by office and library study, or only library work. The desires of members are followed in such choice, as far as their previous training renders possible.

May be counted as one full course, or more; and may be taken in successive years.

Professor Woodman.

DEPARTMENT OF PHYSIOLOGY AND BIOLOGY

Consultation hours: Professor Jackson, daily at the Medical College Laboratories; Professor Bristol, daily during October at University Heights.

*I. PHYSIOLOGY. Lecture Course. First term, four hours weekly, 9-10 A.M. Second term, three hours, weekly, in the morning.

Professor Jackson.

II. PRACTICAL PHYSIOLOGY. (Laboratory Course in Experimental Physiology.) Three hours. Saturday, 9.00-12.00. Professor Jackson.

III. RESEARCH WORK IN PHYSIOLOGY. (Laboratory Course.) Open all day.

Professor Jackson.

IV. COMPARATIVE ANATOMY. (Laboratory Course.) Professor Bristol.

V. RESEARCH IN ZOÖLOGY. (Laboratory Course.) Professor Bristol.

Students desiring to do research work in Pathology, Bacteriology or Physiological Chemistry are requested to communicate with the Secretary.

SUMMER SCHOOL, 1911

Graduate courses will be offered in the New York University Summer School, at University Heights, July 5-August 15, 1911, in the following departments:

HEBREW. (Half Course.) Professor Isaacs.

ARAMAIC. (Half Course.) Professor Isaacs.

RABBINIC. (Half Course.) Professor Isaacs.

FRENCH. The Evolution of the French Novel in the Nineteenth Century. Two hours.

Dr. Delamarre.

ENGLISH LITERATURE. Two hours.

Professor Perry.

EDUCATION. History of Education and Seminar in History of Education. Full Course. Three hours.

Professor Horne.

Experimental Pedagogy. Two hours.

Dr. Radosavljevich.

Experimental Psychology. One hour.

Professor Lough and Dr. Radosavljevich.

HISTORY. Seminar in American Colonial History. (Half Course.)

Professor Brown.

History of the French Revolution. (Half Course.)

Dr. Jones.

SOCIOLOGY. Reform Movements and Field Course. (Full Course.)

Dr. Binder.

CHEMISTRY. Advanced Research. Professors Hill and Simmons.

For full information see the bulletin of the Summer School.



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Summary of University Statistics

1910-1911

DIVISIONS	Professors.	Lecturers.	Instructors.	Assistants.	Other Officers.	Total Officers.	Total Students.	Degrees Conferred, 1910.
I. ARTS AND SCIENCE.								
1. College of Arts and Pure Science . . .							199	15
2. School of Applied Science							211	45
3. Graduate School. . .							309	48
4. Summer School. . .	35	44	18	6	14	117	529	
5. School of Pedagogy							345	15
6. Washington Square Collegiate Div. . .							357	36
7. School of Commerce.	6	19	11	6	4	46	1,182	69
II. LAW.								
8. University Law School	9	1	4		1	15	688	193
9. Woman's Law Class.	1		3			4	53	
III. MEDICINE.								
10. University Medical College	35	19	34	19	67	174	500	64
11. Veterinary College	11	2	1			14	15	5
IV. GENERAL								
12. Library					7	7		
Grand Total	97	85	71	31	93	377	4,416	490
Deduct for names counted twice	1	3	4			8	270	
Net Total	96	82	67	31	93	369	4,146	490

In the above total "auditors" are not reckoned. Of these a large number are in attendance in the various schools of the University.

Special circulars of the various schools will be sent free upon application to the Registrar, New York University, Washington Square, N. Y. In writing please state which circular is desired. The General Catalogue will be sent upon receipt of twenty-five cents.